Cryolipolysis fat freeze Slimming Machine(NBW-C325)
User manual

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Chapter 1 Introduction to the system

Thanks for your purchasing this NBW-C325 slimming instrument!
Believe that the instruments will bring you credible and reliable performance, return you with good functionality and satisfactory .
This chapter is an overall description of NBW-C325 type slimming instrument.
Note: The operation or maintenance personnel of the system read this manual carefully before operating .

1-1. Introduction to the system

The machine is controlled by computer, mainly composed of the host, the control panel and treatment handle.
The Operation and control parts of the machine located inside the host, the built-in integrated microcontroller continuously monitors the operation of equipment.
Control system includes a touch screen, handpieces, key switch and emergency stop switch.
The touch screen can show the system operating modes and parameters.

1-2. Introduction to the operation

Treatment scope
A wrinkle whitening
B melting fat diet
C Firming body sculpting
D elevate the upper eyelid
E circumference reduction after liposuction
F postpartum shrink around shaping

1-3, Treatment Parameters
The allowed adjust treatment parameters for users are:
RF energy density :1-50J / cm2 continuously adjustable
Ultrasonic :1-70J / cm2 continuously adjustable
Frozen Diet :0-100kpa continuously adjustable

Chapter 2 Safety

2-1 Electrical and Mechanical safety

In order to ensure the safety of usage, The instrument implements the international standards in terms of design and manufacturing strictly. It is manufactured and examined according to the general safety requirements for Hairdressing electrical equipments.

The single-phase voltage of the operating system is 220V, the maximum input current is less than 10A.

In order to strengthen the life of the machine and reduce the impact of power fluctuations on the machine, the user must use 2500W regulator.

When the operating system is running, dangerously high voltages exist in the machine. When the power is turned off, the residual voltage may still exist in the high voltage devices, if you open the chassis protective cover, you may run the risk of high-voltage electric shock.

Note: The operating system is powered with a standard three-pin GB connectors,

please make sure your network Power socket with protective earthing line, and safely grounded.

2-2 Movement and Transportation safety

The operating system has precision parts, the users are not allowed to move it distantly. During the transportation, the cushioning packaging provided by original factory must be used. Otherwise it will affect the normal use of the machine.

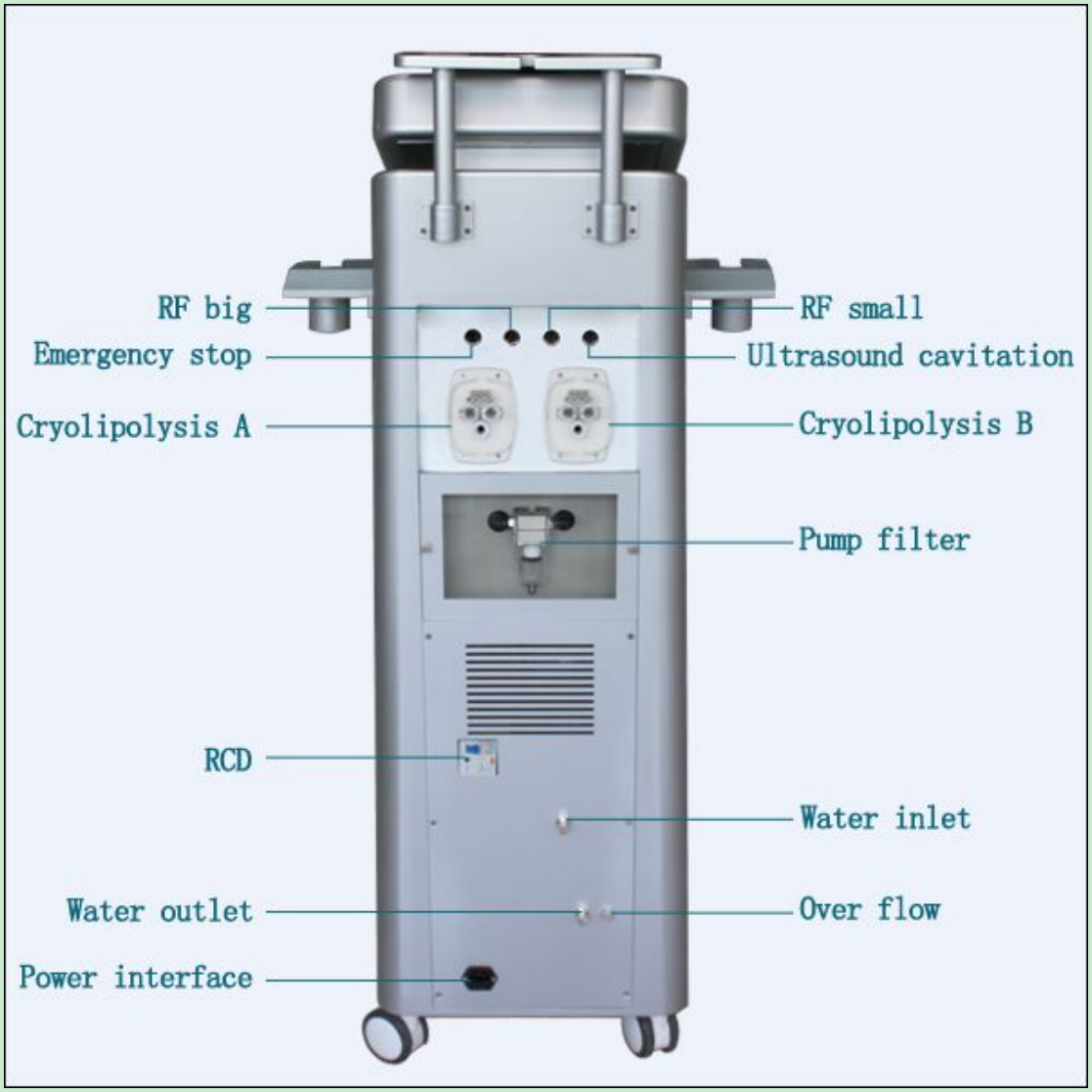
2-3 Warning message

Non-professionals are not allowed to enter the treatment room
Ensure the present staffs are familiar with the system operation

Do not use this system in Inflammable and explosive area or other insecure locations

Chapter 3 System Description

3—1 Main equipment list of product



The equipment main structure as above pictures, Touch screen, Emergency Switch, Key Switch, mainframe box, cooling system, treatment handle etc.

3—2. System components Description

Touch screen: It is used to display and adjust the specific information of operating system.

Emergency Stop Switch: It is used to turn off the power in emergency conditions.

Heart rate tester: it used to clip on your fingers to test the heart rate before do the cryolipolysis treatment.

Fat measurements pliers: Measuring thickness of the fat

Mainframe box: Within the cooling system, power system, control system, integrated circuit, etc.

Treatment handle: Removable type treatment handle, used to do the treatment for the customer

3-3 WARNING Message

- ERROR 1: water flow abnormal alarm

ERROR 2:Handle connection break

ERROR 3:Temperature high

Chapter 4 Installation and Commissioning

4-1, installation

The system can be installed in hospitals, medical clinics and beauty salons, little preparation is needed before installation. When you purchase our company's instruments, you can enjoy our free onsite installation and commissioning services.

The system should be installed and commissioned by professional and technical personnel authorized by our company. Installation work includes:

4-1-1, check equipment list:

Mainframe (1)
Treatment heads (5)
Heart rate test finger-cot (1)
Fat measuring caliper (1)
Measurement scale (1)
Switch key (2)
User Manual (1)
Water funnel (1)
Drain socket (1)
Power cord (1)
Rubber ring (10)
Handle bracket (1)
Package box (1)

4-1-2, Be familiar with the installation requirements:

Before unpacking the Instrument, you should check whether the accessories are complete, the installation location meets the requirements of this section.

The system should be installed away from heat vents and keep an appropriate distance from other objects.

The instrument is preset the rated voltage of the installation place before delivery according to the user's requirements. The corresponding electrical equipment requirements are as follows:

- Single phase 220V ± 10%, 10A 50Hz
- The equipment lands the ground through the ground wire of the power sheath, passing the wall line. Good ground connection is essential for safe operation.
- The input voltage can not have transients, voltage and current spikes, collapse or surge.
- To ensure that the system is in the best condition, the room temperature should be maintained at about 20 ℃, relative humidity should not

exceed 80% .The thermal power of the system is about 200W during work, so it's the best if the treatment rooms are air-conditioned.

- ◆ Do not allow the instrument being irradiated by prolonged direct sunlight, nor being placed near a heater.

- 4-1-3 installation steps
- 1) Carefully open the package of the machine, place the machine in a preselected position
- 2) Take out the handle bracket, and install it in the corresponding position
- 3) Take the Water funnel, insert the filler, inject proper amount of water
- 4) Open the package of treatment handle, place the desired therapeutic handle into the appropriate location. Put the filter cotton on the vacuum inlet mouth to protect the liquid be sucked into the handle.
- 5) Insert the handhold emergency switch
- 6) Plug in the power cord
- 7) Insert the switch key and release the red emergency button

4-2-1. Add water

First, Add distilled or purified water to the inlet of the instrument. Prohibit using running water or mineral water. (Kindly Note: The freeze treatment head should be pulled out before adding water.) Add the water until the water leak out from the over folw,(as shown in picture 1) and then turn the key switch to the right, observe whether the interface of the treatment handle is leaking or not. The water of the instrument should be changed every month. The water inside the machine should keep operating for 3 minutes for the first time after changing the water to observe whether the water road is smooth.

Pic 1

4-2, Adjustment

Open the heart rate tester, wait for 3 minutes. People with heart rate between 50 and 120 can do Cryolipolysis treatment, otherwise cannot do this treatment. Don't do test after sports.

Please screw the key to the right, the machine starts to work like picture 2

Pic 2

It means the machine is common if Pic 2 appears.

Cryolipolysis+vacuum： refers to Cryolipolysis system

RF System:refers to RF system

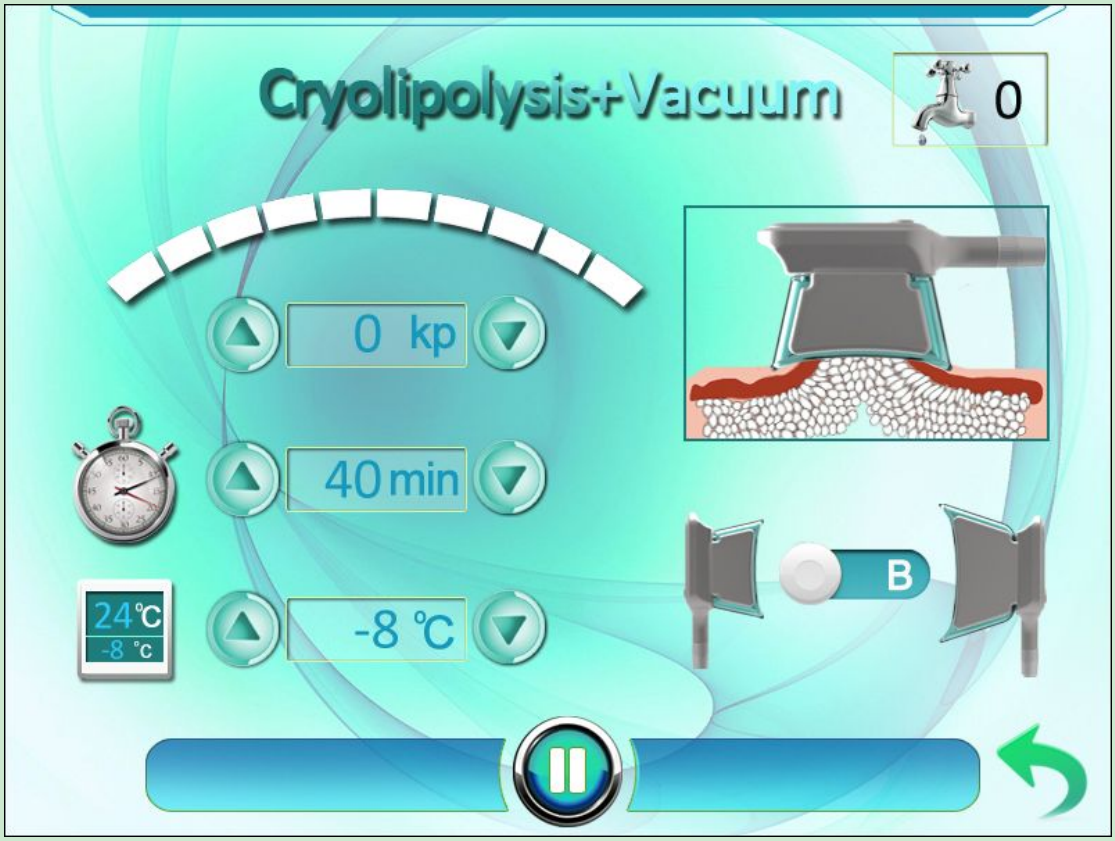
40K Cavitation: refers to Cavitation slimming system

Firstly, please click “Cryolipolysis+Vacuum” to enter the below picture

Pic 3

Testing the fat thickness of the area to be treated, then you can choose and adjust the parameters.

Then click to enter picture 4,you only need to adjust the pressure, for working time and temperature is locked well.

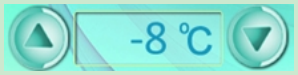


Pic 4

In picture 4, you can choose treatment head you want to use, A or B. White circle on which side means that the handle on this side will be working.

can be adjusted and it will shows the intensity of negative pressure. You can adjust pressure through and . The range is 0-100KPA.

it means treatment time, the range is 1-60 min.(here it can't be adjusted)



it can adjust the temperature. The range is -15-5℃.(here it can't be adjusted)

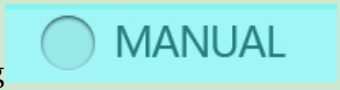
24℃ shows the real temperature of treatment head, while -8℃ shows the setting temperature you set when starting.

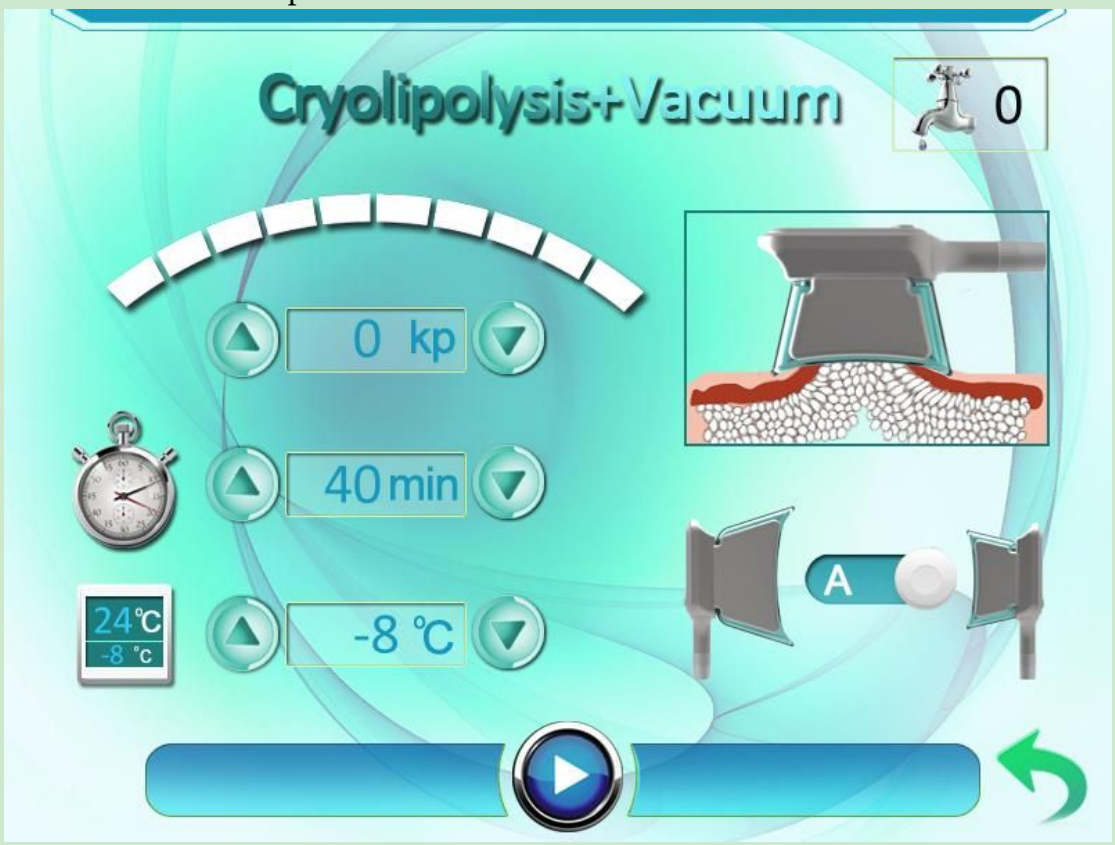
When adjusting the suitable treatment parameters, click , turning into

, then beginning to work.

Now the machine is in the working state, the chosen treatment head starts to turn hot and will have suction. The treatment head starts to get cold to reach the setting temperature after 3 mins. And the four LED lights will appear different colors according to the changing temperature.

This means the machine is common. Click the machine will go into standby like Pic 5. Please click the button on the left of the screen and get back to Pic 3.

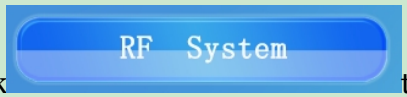
Choosing  you will enter manual mode, here you can adjust pressure, setting temperature and working time shown as Pic 5. Other operation is the same as the description above.



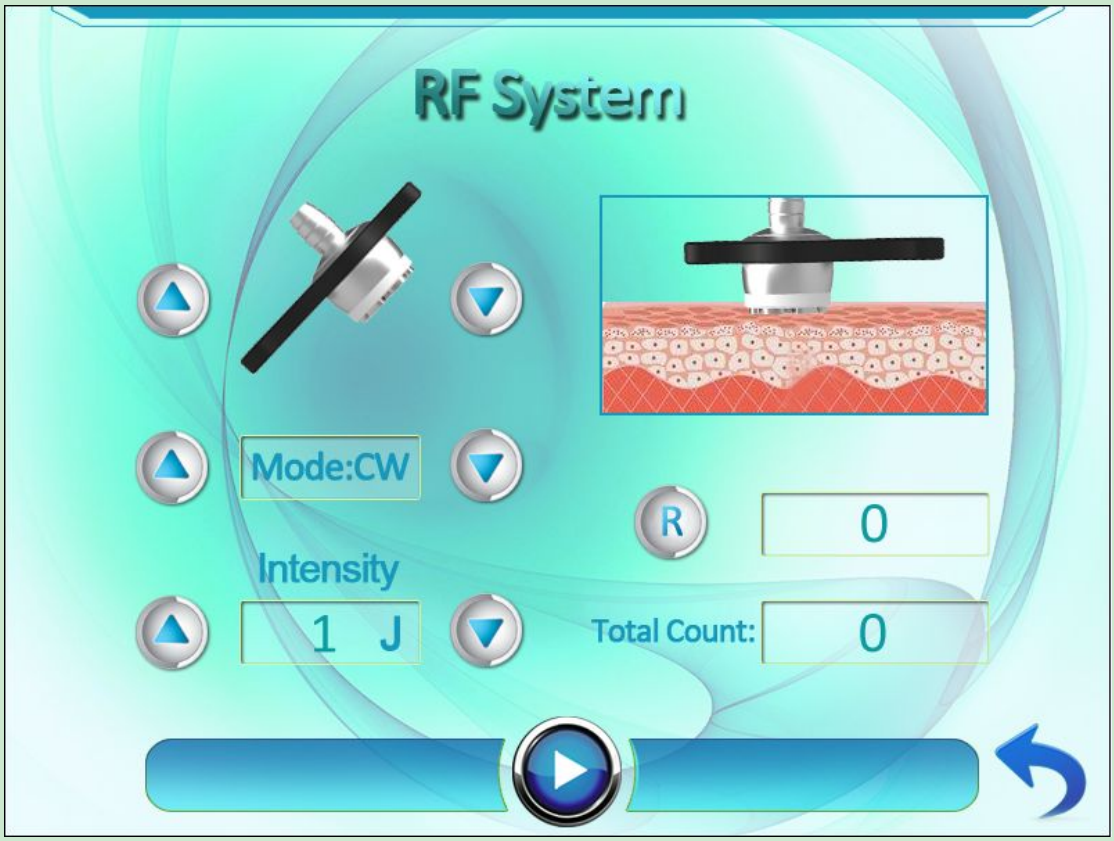
Pic 5

After finished, click to return to main page shown as picture2.

Notice: During the manual mode treatment, clients should hold client's handhold emergency button all the time, if uncomfortable, please press it, then the machine will stop. Press again. The machine will start working.

Click 

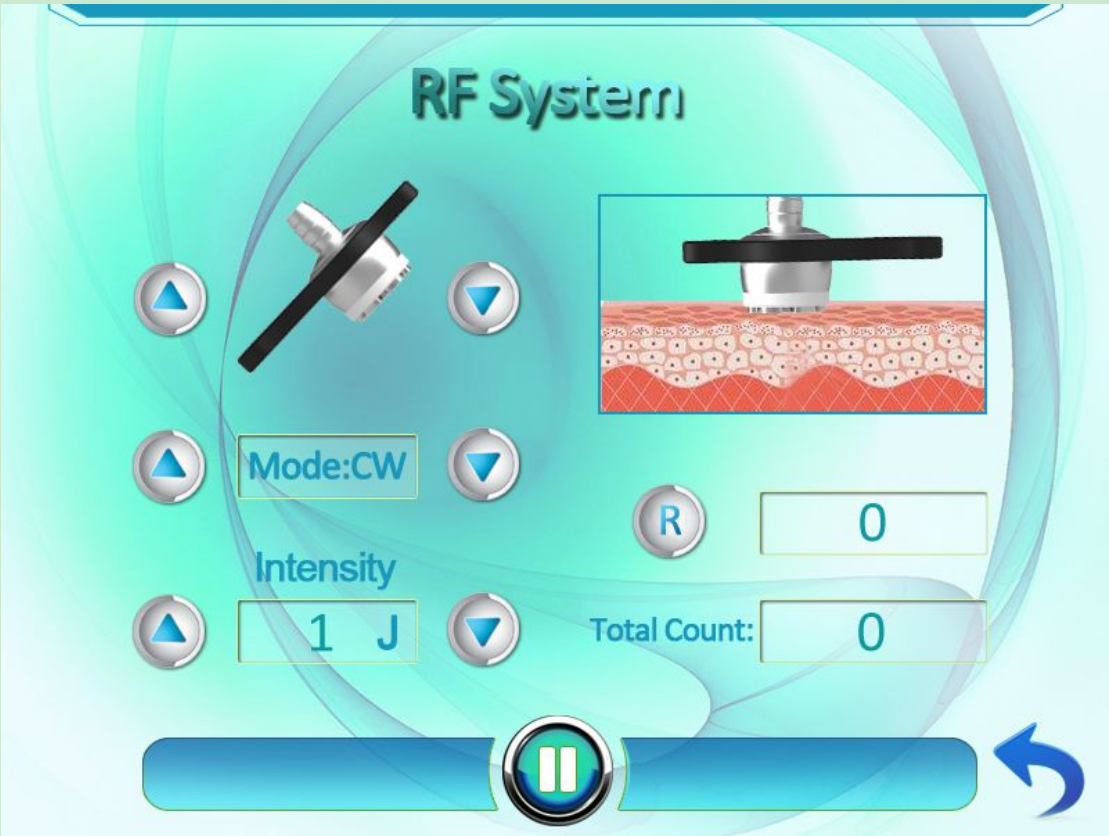
the system will enter like Pic 6



Pic 6

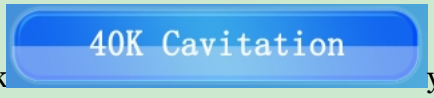
After entering Pic 6, you can choose treatment head.
Intensity:refers to intensity of power, the range is 1-50 J.
Total count :refers to working counts in total
Mode:CW refers to continuously working
Mode:PUSH refers to work,then stop, then work again

After adjusting the parameter, please click to enter Pic 8 to start working



Picture 8

The system will enter RF working state, the body will feel hot, and the counter will work. It means RF system is working fine. Click , the machine will turn into standby state. Then click (located at the lower left corner of the screen) to return to the main page (picture 2).

Click 

you will enter picture 9

图 9

Intensity: refers to the intensity of energy. The adjusting range is 1-70 J.
Work time: refers to treatment time. The adjusting range is 1-60 min.

After adjusting appropriate parameter, please click the machine will turn into working state, like picture 10 shows.

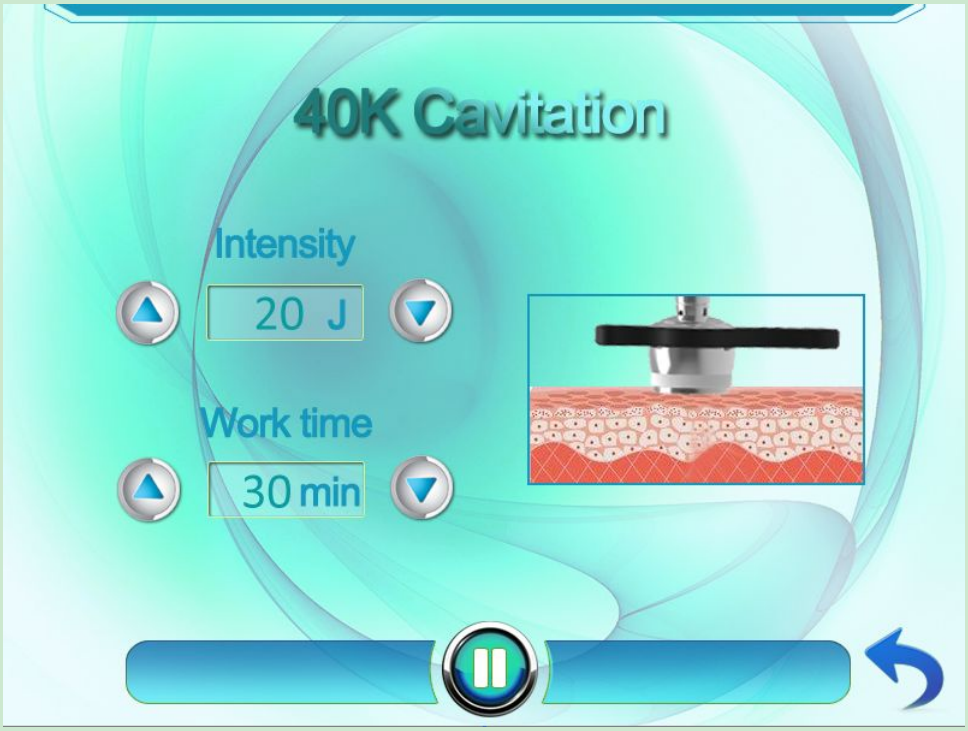


图 10

Now put the chosen head on the face, you will feel a little bit hot and roar like a plane.

It means the machine is working fine. Then please click , turning the machine into standby state.

Please screw the key to the left. Close the power source. The whole test is finished.

Chapter 5 Technical parameters

5—1、Technical parameters:

Input Power	1800W
Frozen head pressure	0-100kpa
RF energy	1-50J/cm2
Cavitation energy	1-70J/cm2
Frozen head operation screen size	3.5 Inch
RF frequency	10M
Cavitation Frequency	40K
Treatment handle's quantity	5units(Optional)
Touch screen size	10.4 Inch
Frozen head temperature	-15-5℃
Cooling System	Semiconductor Cooling + water-cooling + air cooling
Dimension	36*35*110cm
Net weight	60kg
Fuse specification	Ø5×25 10A
Power	AC220V±10%，10A，50Hz / AC110V±10%10A，60Hz

5—2、Related Request:

The system's running environment requirements：

Environment temperature: 10℃~30℃

Relative humidity: less than 80%

The system's storage environmental requirements:

Environment temperature: 0℃~40℃

Relative humidity: less than 80%

Operating Procedure

After the installation and debugging is finished, you can set different treatment parameters based on different physical ability and skin colors of your patients to do treatments. The specific procedures are like the following:

6-1 Opening

1. Before use, fulfill the water tank with water, until water flows out from the overflow port.
2. Make sure the patients' heart rate is normal (50-120), and has no other diseases not suitable to receive this treatment.

3. Measure the fat thickness of the treated area by using a fat measuring clamp.
4. Clean the treated area (if where there is hair, remove it radically.)
5. Take out the antifreeze membrane and put it on the treated area.

6-2 choosing slimming mode to do treatments

1） Operators can choose suitable parameters based on the fat thickness of patient to enter the working interface. After an appropriate pressure was set, click to start working. The treatment handle must be close to patient`s skin. Meanwhile, the buttons on the handle can control the start and end of treatment. It is important to note that during the same period of treatment course, it will continue the previous treatment after the restart. If you want to restart the whole treatment course with heating first, you need to return back to the main interface and enter again.

2） During treatment, the patients should hold the emergency switch all the way. If feeling uncomfortable, the patient can press it, the machine will stop working. Pressing it again, the machine will start working again.

6-3 Turn off

1. Place back the treatment handle to its place.
2. Change working state into "standby".
3. Turn the key switch to the left
4. Clean the handle with clean cotton or soft cloth.

Chapter 7 Treatment Principle

Cryolipolysis Technology:
As triglyceride in fats will be converted into solid in particular low temperatures (below 5℃), It uses advanced cooling technology to selectively target fat bulges and eliminate fat cells through a gradual process that does not harm the surrounding tissues, reduce unwanted fat, When fat cells are exposed to precise cooling, they trigger a process of natural removal that gradually reduces the thickness of the fat layer. And the fat cells in the treated area are gently eliminated through the body's normal metabolism process, to eliminate unwanted fat. What's more, it has a 3 minute heating before freezing to prevent a frostbite of skin.

Chapter 8 Antifreeze Membrane for Skin

In Cryolipolysis treatment, the antifreeze membrane must be qualified to protect the skin from frostbite in 0-40℃.

Chapter 9 Treatment Setting

1, The treatment time of one part needs 30-60 minutes (it depends on the fat thickness and the health of human.)
2, Each time treats only one part. If the whole waist needs to be treated, you should do several treatments. More than two treatment parts in the same course is not allowed.
3, The second cryolipolysis treatment of the same part should be done 2 months later, after the first treatment. It can reduce the extra fat thickness. It is more effective if 2 cryolipolysis treatments were received continuously.
4, Cryolipolysis treatment is suitable for the part with fat accumulation and healthy people. The treatment is aimed at specific fat part, such as the waist fat, belly and back and so on. This Treatment is not a panacea, it cannot reduce fats and weight significantly, and it cannot replace such as liposuction and other invasive therapies. Substantial weight loss is achieved by a balanced diet with a lot of exercise. Cryolipolysis treatment can only do lipolysis on superfluous fat.
5, Please choose suitable treatment according to the thickness of the fat (actual use will be subject to the clinical).

Chapter 10 Indications and Contraindication

10-1 **Indications**

The system can be treated:

Body shaping: Shaping of face and neck, the four limbs, buttocks, abdomen, Tightening of face, chest, buttocks, recovery of Postpartum and liposuction surgery.
Stretch marks: eliminate stretch marks efficiently
Body sliming: reduce the cellulite, reduce the fat, improve skin laxity
Skin tightening: Strengthen and tighten the skin, increase skin elasticity, improve the orange peel lines, stretch marks of postpartum etc.
relieve the pression: relax the muscles and stimulate the blood circulation, Promote Blood Circulation, Relieve muscle tension , fatigue and sore, Relieve skin edema, improve black rim of the eye and pouch.
Promote detoxification: Promote lymph and blood circulation, crus lymph drainage, abdominal colon detoxification, Remove the orange peel disorders ,eliminates double chins and face-lift.

10-2 Contraindication

Pregnant woman
The patient who has the heart bypass surgery.
Heart disease
Hypertension

Chapter 11 Post-treatment care

11-1: the temperature of Cryolipolysis instrument must be controlled well, not too low, otherwise it will still hurt the skin, after doing this treatment, please pay attention to diet and do some exercise, so that it is not easy to rebound.

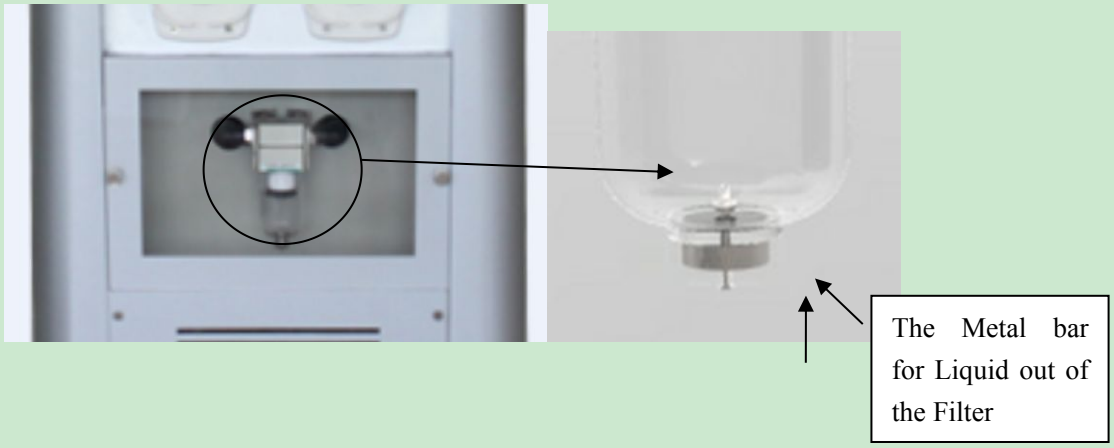
Chapter 12 Maintenance and Repair

12-1 Device Cleaning
Clean the exterior surface of this machine with soft wet cotton at least once a week. Neutral cleaner could be used, but pls make sure no liquid flows into the machine.

The purified or distilled water inside the water pathway should be changed once every month.

12-2 Light-guide Crystal Cleaning
The treatment handle should be always kept clean and should be cleaned after each treatment.
When cleaning, first wipe it clean with a soft cloth, and then clean it with another soft cloth moistened with water-free alcohol and let it dry thoroughly.

12-3 Pump filter Cleaning
After the machine works a period of time, if liquid is found inside the pump filter, you should clean it timely.
Procedure: Pressing the metal bar below the pump filter, the liquid will be out of the filter automatically. Pls see the following picture:



12-4 Troubleshooting

The table below is a list of some possible faults and solutions accordingly.

Faults	Check parts
No power	Check the power 220V inlet wire to see whether the fuse wire is broken or not
No touch	Re-calibrate the screen
Cooling temperature is lo	Check power supply voltage Check water circulation
Energy output become weaken	Check the setted parameters Change treatment handles
Leaking water between machine's joints	Check rubber ring
If any other problems, please contact with our after-sale team instantly. Don't take the machine apart please.	

12-5 Fault information

When starting the machine, or in the process of treatment, if some faults or abnormalities occur, the machine should stop working immediately. Then please contact with our maintenance department, the technicians authorized by our company could do troubleshooting only.

Chapter 14 Contact Us

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